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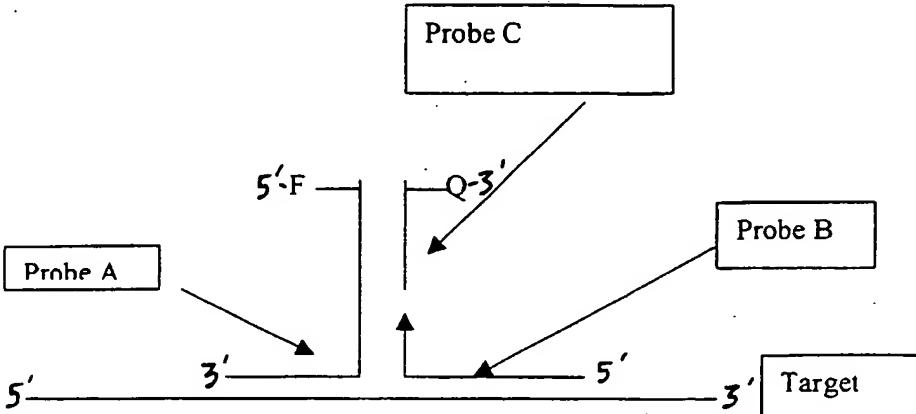
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND PROBES FOR DETECTION AND/OR QUANTIFICATION OF NUCLEIC ACID SEQUENCES



(57) Abstract: The present invention discloses nucleic acid detector probes for specific detection and/or quantification of target nucleic acid sequences and detection and/or quantification methods using these probes. In the absence of target nucleic acid sequence, a first oligonucleotide and a third oligonucleotide are bound to each other in a conformation which brings two member of an interacting moiety pair (labels) into close spatial proximity. Cooperative binding of the first oligonucleotide and a second oligonucleotide to a target nucleic acid sequence causes displacement of the third oligonucleotide from the first oligonucleotide probe resulting in separation of the two members of the interacting moiety pair (labels). The spatial separation of the moieties (labels) is detectable, and indicates the presence and/or amount of the target nucleic acid sequence. The method is useful for detection and/or quantification of a specific nucleic acid sequence as well as the detection of sequence alteration in the target nucleic acid sequence.

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INTERNATIONAL SEARCH REPORT

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IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 42616 A (DADE BEHRING INC) 26 August 1999 (1999-08-26) the whole document ----	1-29, 33-46
Y	WO 00 15848 A (GENELABS TECH INC) 23 March 2000 (2000-03-23) page 4, line 28 -page 5, line 30 page 11 -page 12, paragraph C. page 23 -page 24, paragraph C. claims ----	1-46
Y	EP 0 909 823 A (BECTON DICKINSON CO) 21 April 1999 (1999-04-21) the whole document ----	31, 32 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	PATEL R ET AL: "Formation of chimeric DNA primer extension products by template switching onto an annealed downstream oligonucleotide" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 93, April 1996 (1996-04), pages 2969-2974, XP002158856 ISSN: 0027-8424 cited in the application ---	1-46

INTERNATIONAL SEARCH REPORT

Information on patent family members

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